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ABSTRACT

A turbine fuel pump including a cylindrical casing, an electric motor accommodated in the casing, a pump housing mounted into the casing, and an impeller disposed within the pump housing and driven around an axis in a rotational direction by the electric motor. The impeller includes a plurality of vanes each formed into a generally rectangular plate including a tip end face that extends circumferentially to define an outer peripheral surface of the impeller, and front and rear faces respectively located on forward and rearward sides in the rotational direction of the impeller. The front face is curved such that a tip end portion thereof is positioned forwardly in the rotational direction of the impeller relative to a root portion thereof. A chamfer portion is disposed between the tip end face and a tip end portion of the front face.